

# Acetamide, 2-(2-thiophenyl)-N-ethyl-N-hept-2-yl-

**Inchi:** InChI=1S/C15H25NOS/c1-4-6-7-9-13(3)16(5-2)15(17)12-14-10-8-11-18-14/h8,10-11,13H  
**InchiKey:** YSYLQAQPWACZHL-UHFFFAOYSA-N  
**Formula:** C15H25NOS  
**SMILES:** CCCCCC(C)N(CC)C(=O)Cc1cccs1  
**Mol. weight [g/mol]:** 267.43

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.26		Crippen Method
logp	4.108		Crippen Method
mcvol	230.650	ml/mol	McGowan Method
rinpole	2093.00		NIST Webbook
rinpole	2093.00		NIST Webbook

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U415412&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpole:** Non-polar retention indices

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